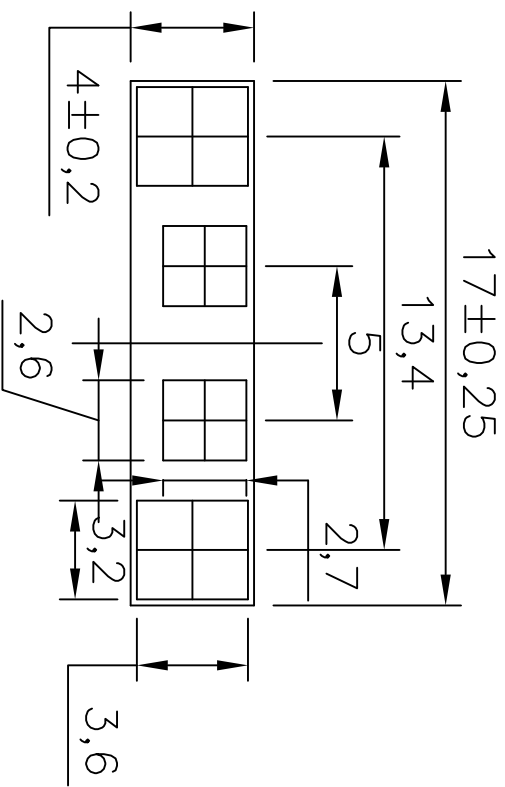
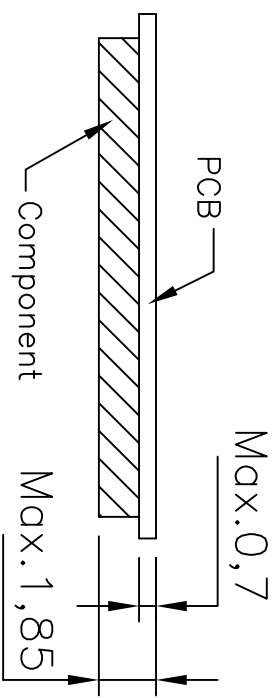


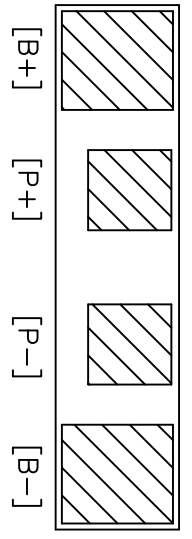
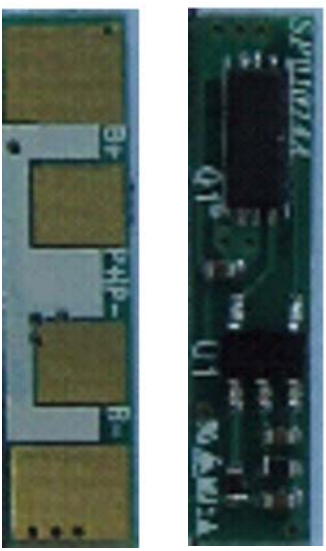
# 5.1 PCB Mechanical Drawing



[TERMINAL DIMENSION]



----- Note -----  
 1.PCB : FR-4, 0.6t.  
 2. General Tolerance : 0.1mm.



[TERMINAL REFERENCE]

BASIC SPEC	OVP(V)		UVP(V)		OCP(A)	
	4.275		2.6		2.6	
	SPEC. subject to change					

1CELL

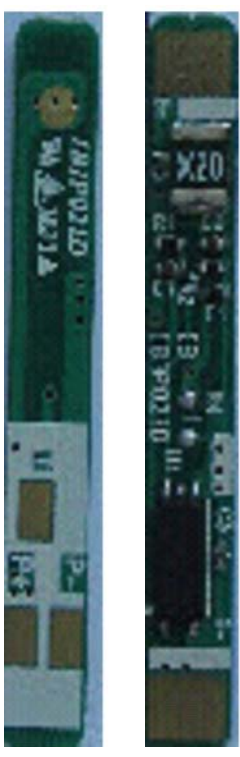
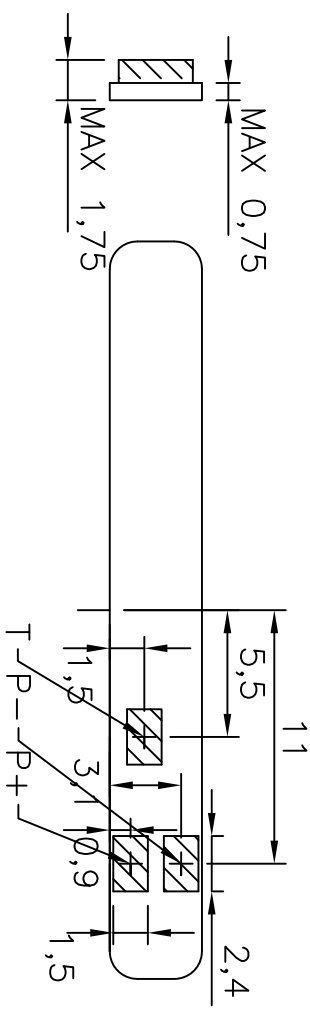
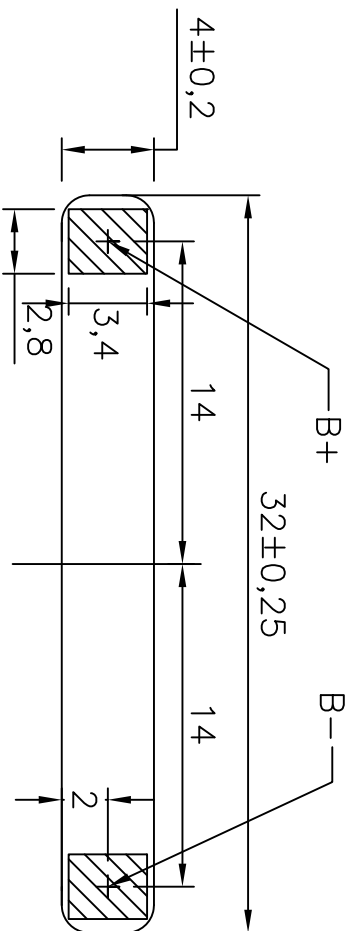
Desined	Checked	Approval	Date	2010.09.02
SHPARK	<del>          </del>	<del>          </del>	CUSTOMER	
TITLE		PCB Dimension		
MODEL		SP01074A		
Dwg. No.	IB-SP01074A-300		Page	1/1



**IB**  
ICE BRAIN



# 5.1 PCB Mechanical Drawing



- Note -----
1. PCB : FR-4, 0.6t.
  2. General Tolerance : 0.1mm.

BASIC	OVP(V)	UVP(V)	OCP(A)
SPEC	4.275	2.3	2.4
SPEC. subject to change			

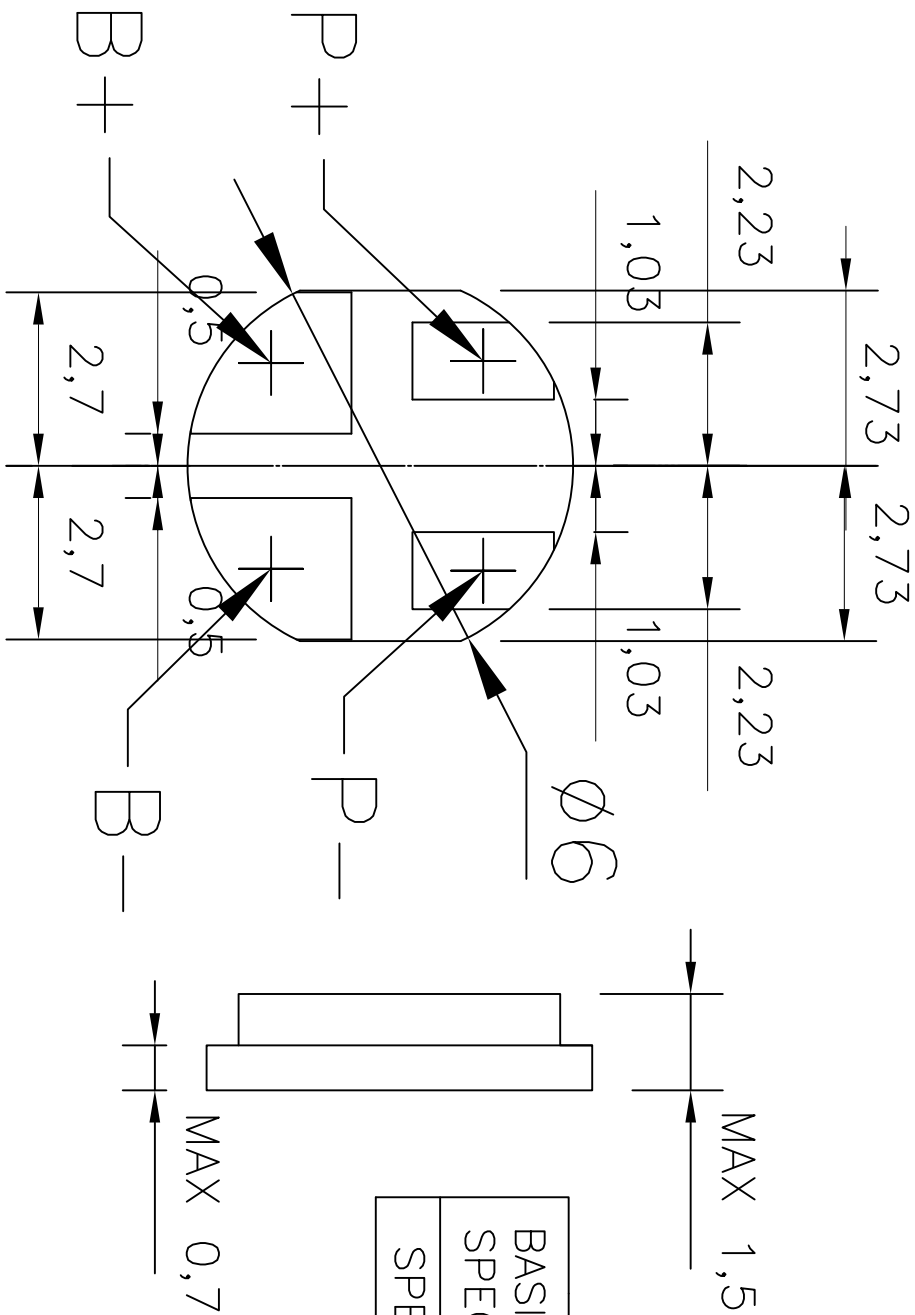
1CELL

Desined	Checked	Approval	Date	2010.12.22
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SHPARK			CUSTOMER	PCB Dimension
			TITLE	

	IB ICE Brain	MODEL	IB1P021D
		Dwg. No.	Page


# 5.1 PCB Mechanical Drawing





BASIC SPEC	OVP(V)	UVP(V)	OCP(A)
	4.275	2.3	2.6
SPEC. subject to change			

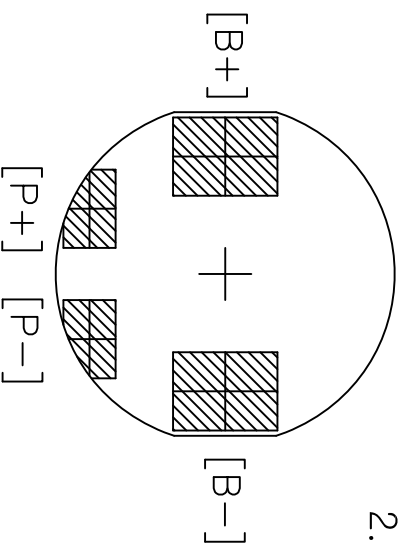
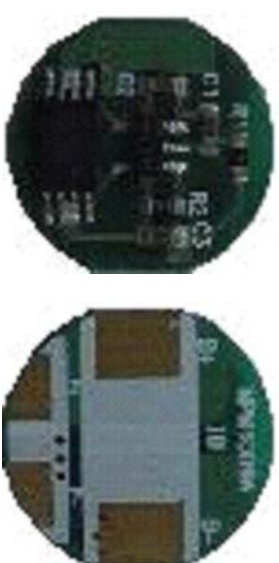
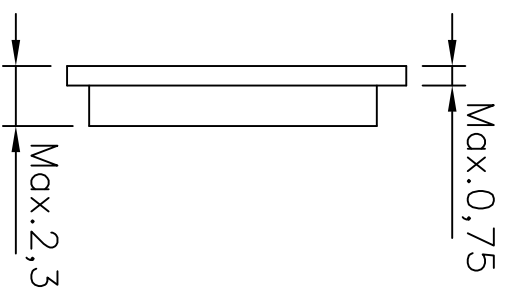
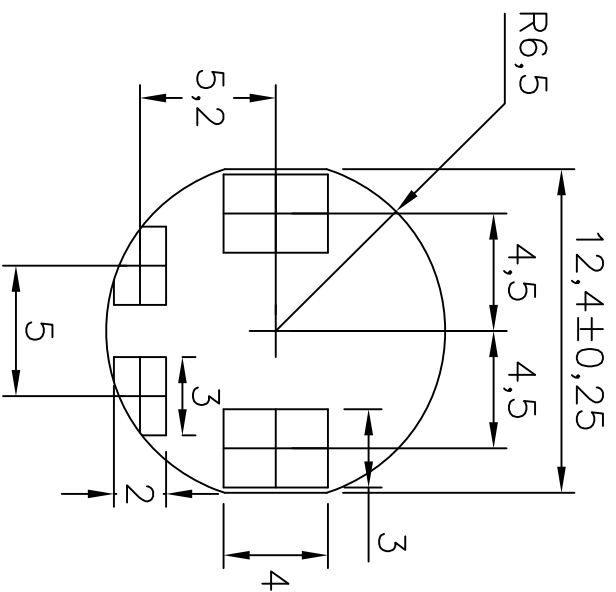
1CELL

- Note ---
- 1.PCB : FR-4, 0.6t.
  2. General Tolerance : 0.1mm.

Desined	Checked	Approval	Date	2011.05.04
SHPARK			CUSTOMER	
			TITLE	PCB Dimension
			MODEL	CPM1010B

			ICE Brain
Dwg. No.	IB-CPM1010B-300	Page	1/1

# 5.1 PCB Mechanical Drawing



- Note ----
- 1.PCB : FR-4, 0.6t.
  2. General Tolerance : 0.1mm.

BASIC SPEC	OVP(V)	UVP(V)	OCP(A)
	4.325	2.5	3.5
SPEC. subject to change			

1CELL

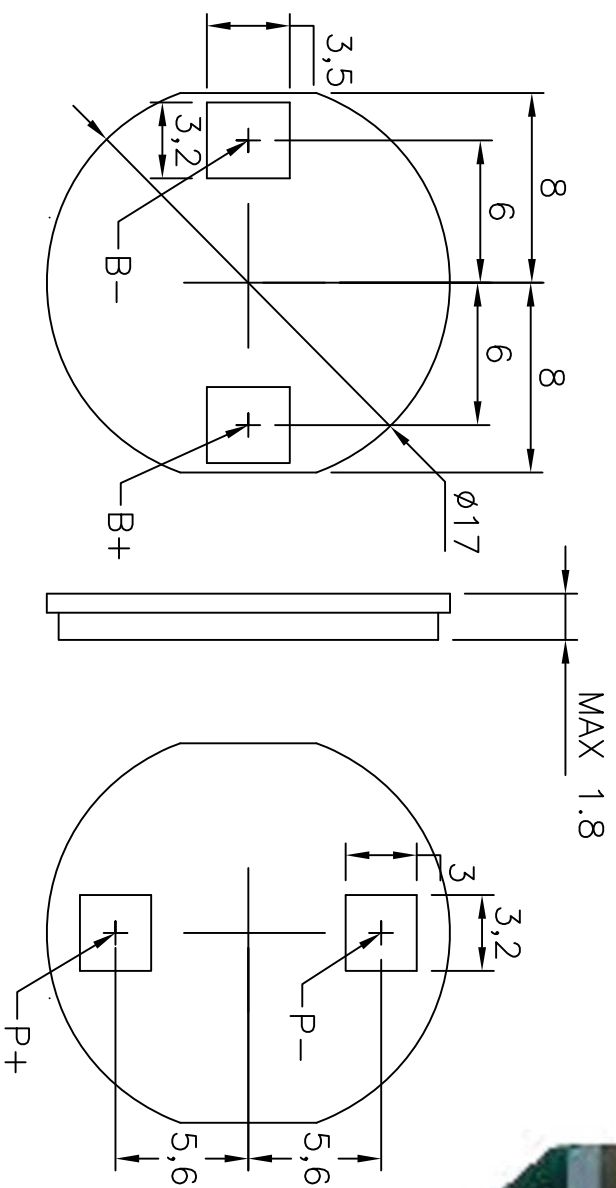
Desined	Checked	Approval	Date	2006.07.05
SDKWON			CUSTOMER	
TITLE		PCB Dimension		
MODEL	MPM-1009A			
Dwg. No.	Page			



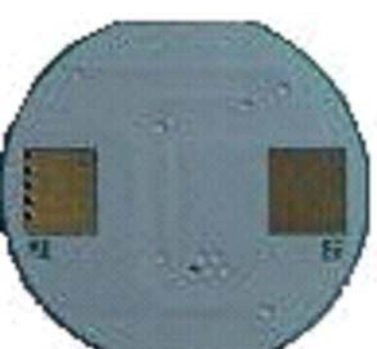
IB ICE Brain

Page

# 5.1 Module Dimension Drawing




[TERMINAL SIDE]



1CELL			
BASIC SPEC	OVP(V)	UVP(V)	OCP(A)
	4.275	2.6	5.4
SPEC. subject to change			

- Note -----
- 1.PCB : FR-4, 0.8t.
  - 2.General Tolerance : ±0.1

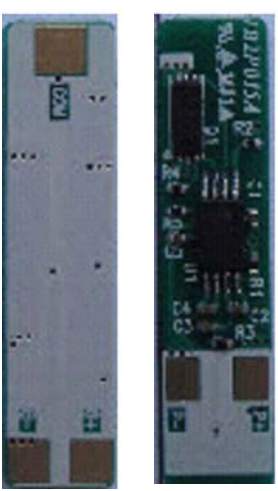
Desined	Checked	Approval	Date
SHPARK			
 <b>IB</b> ICE Brain			CUSTOMER TITLE MODEL Dwg. No.
			Module Dimension IB-BS1001A Page 1/1

# 5.1 PCB Mechanical Drawing

29±0,25

22,2

MAX 0,9



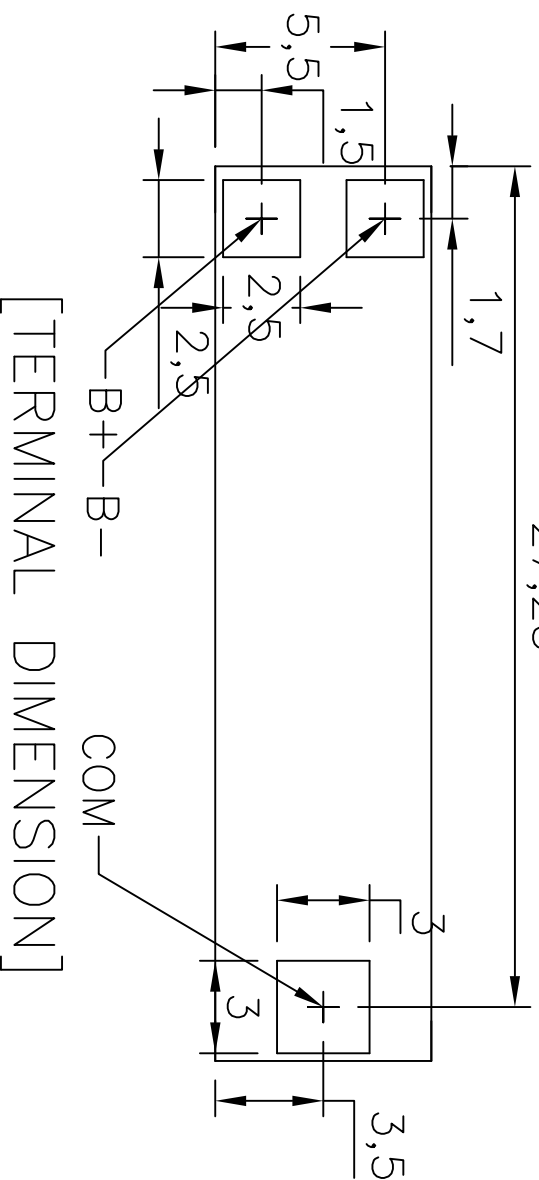
[Component Side]

2CELL

BASIC SPEC	OVP(V)	IUP(V)	OCP(A)
	4.25	2.4	3.9
SPEC. subject to change			

--- Note ---

- 1.PCB : FR-4, 0.8t.
2. General Tolerance : 0.1mm.



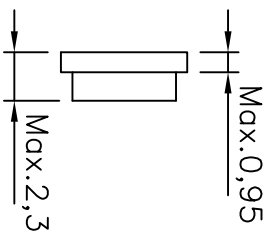
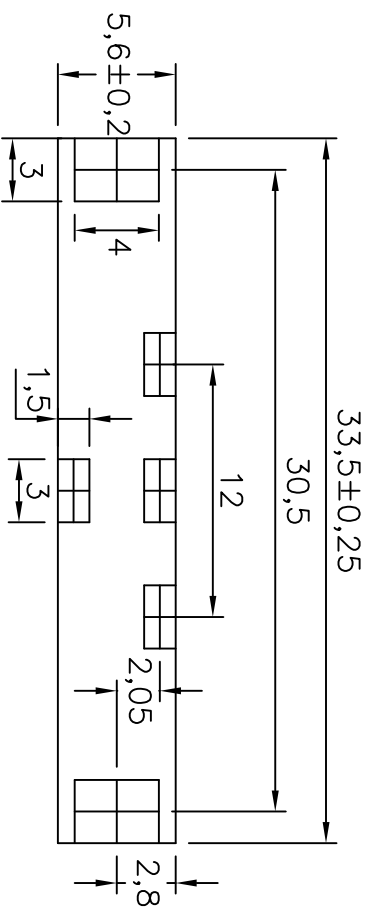
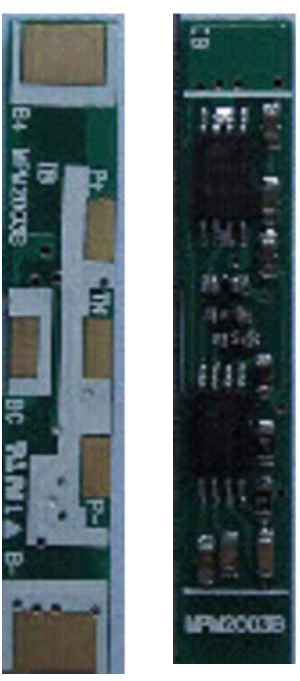
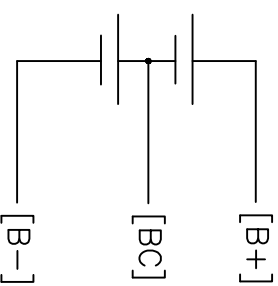
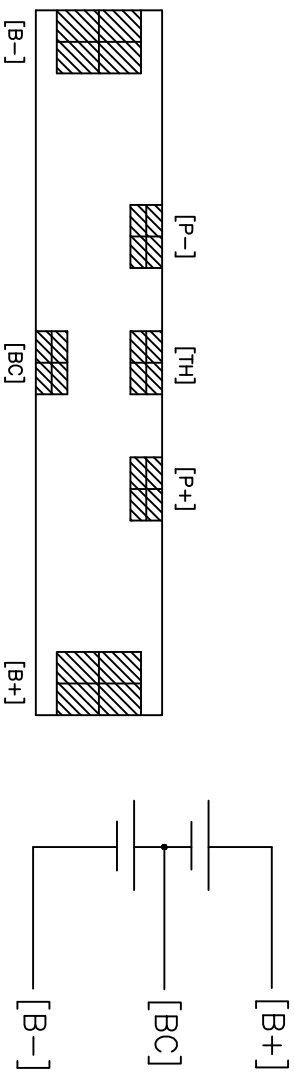
[TERMINAL DIMENSION]

Designed	Checked	Approval	Date	2010.10.13
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SHPARK	<del>    </del>	<del>    </del>	CUSTOMER	
			TITLE	PCB Dimension

		IB ICE Brain	MODEL	IB2P015A
Dwg. No.	IB-IB2P015A-300	Page	1/1	

# 5.1 PCB Mechanical Drawing



2CELL

BASIC	OVP(V)	UVP(V)	OCP(A)
SPEC	4.35	2.3	7.5
SPEC. subject to change			

- Note ----
- 1.PCB : FR-4, 0.8t.
  2. General Tolerance : 0.1mm.

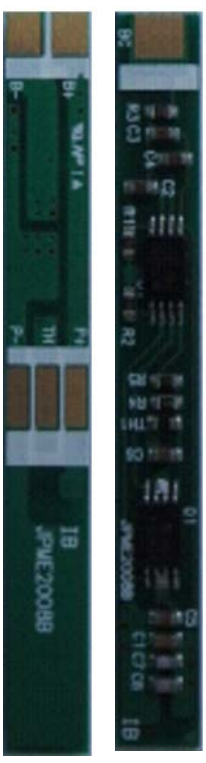
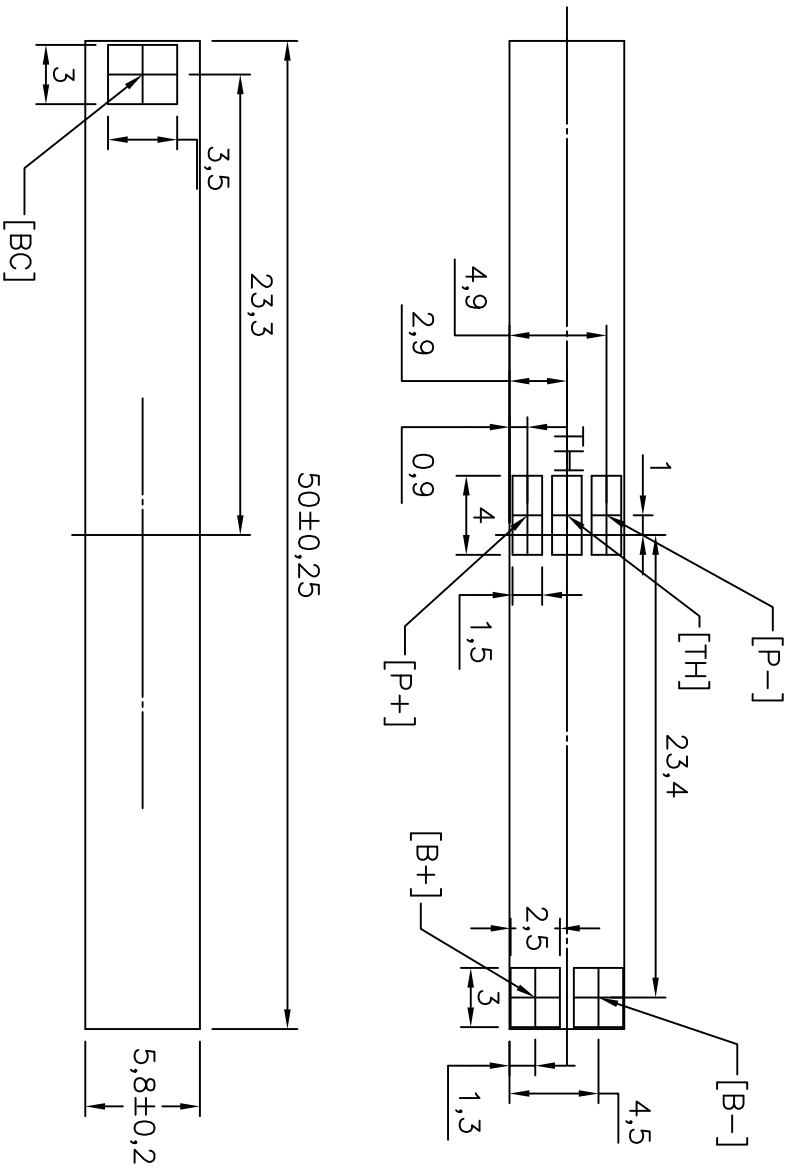
Desined	Checked	Approval	Date	2005.10.20
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SDKWON			CUSTOMER	
			TITLE	PCB Dimension

	IB	ICE Brain	MODEL	MPM-2003B
			Dwg. No.	



# 5.1 PCB Mechanical Drawing



2CELL

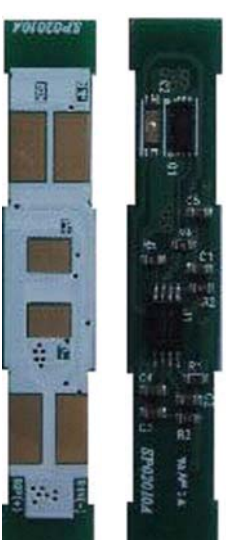
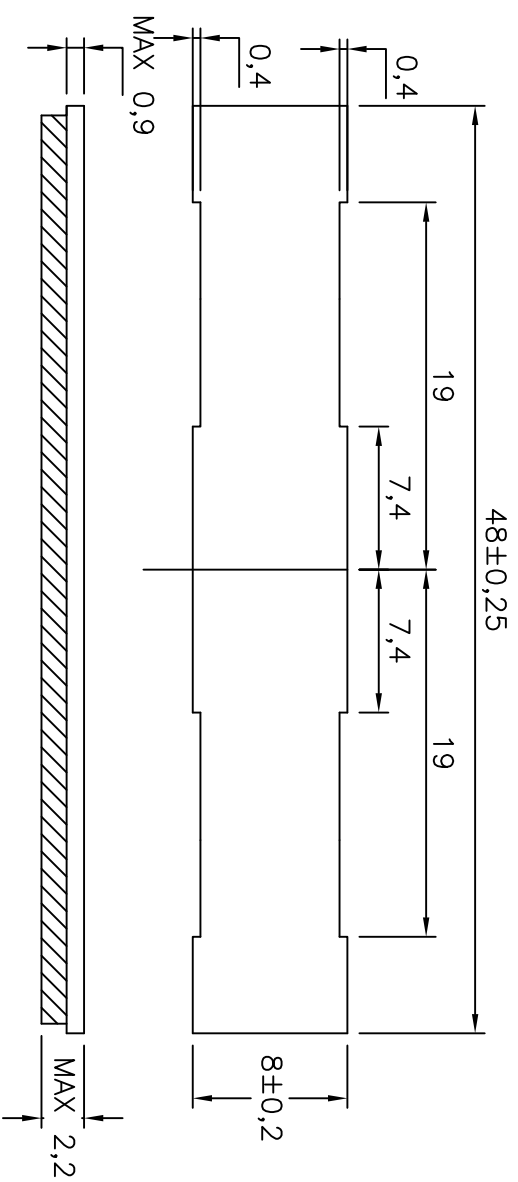
BASIC	OVP(V)	UVP(V)	OCP(A)
SPEC	4.35	2.3	7.5

SPEC. subject to change

- Note -----
- 1.PCB : FR-4, 0.6t
  2. General Tolerance : 0.1mm.

Desined	Checked	Approval	Date	2008.11.07
SDKWON			CUSTOMER	
			TITLE	PCB Dimension
			MODEL	JPME2008B
IB ICE Brain			Dwg. No.	Page

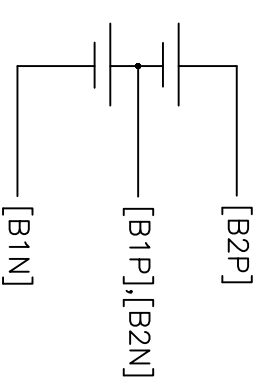
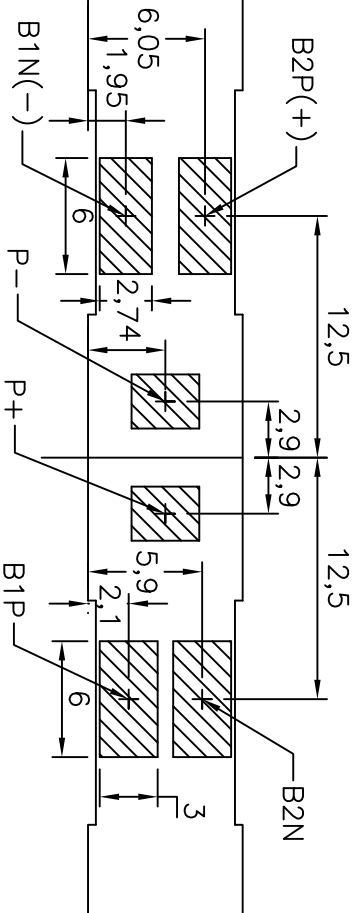
# 5.1 PCB Mechanical Drawing



BASIC SPEC	OVP(V)	UVP(V)	OCIP(A)
	4.25	2.4	4

SPEC. subject to change

2CELL



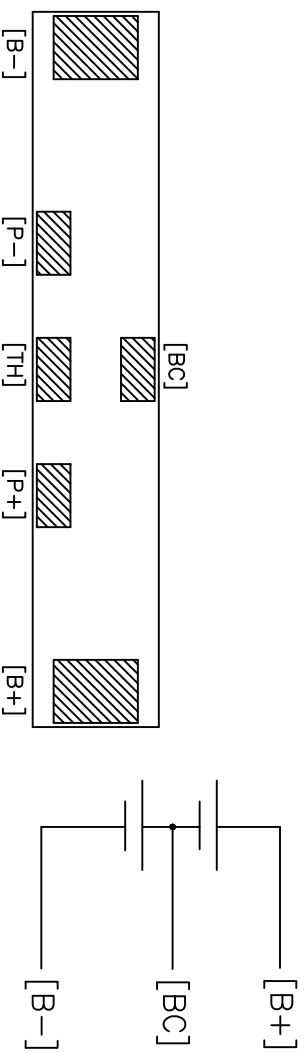
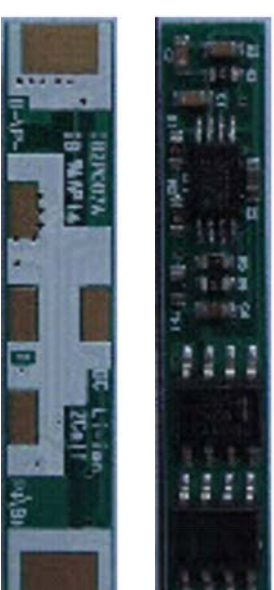
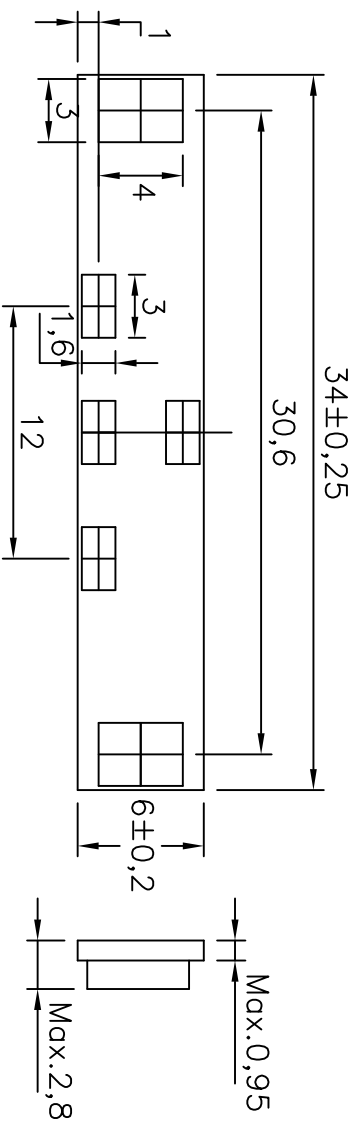
- Note ----
- 1.PCB : FR-4, 0.8t.
  2. General Tolerance : 0.1mm.

Desined	Checked	Approval	Date	2010.02.22
SHPARK			CUSTOMER	
TITLE		PCB Dimension		
MODEL		SP02010A		
Dwg. No.		Page		



IB ICE Brain


# 5.1 PCB Mechanical Drawing



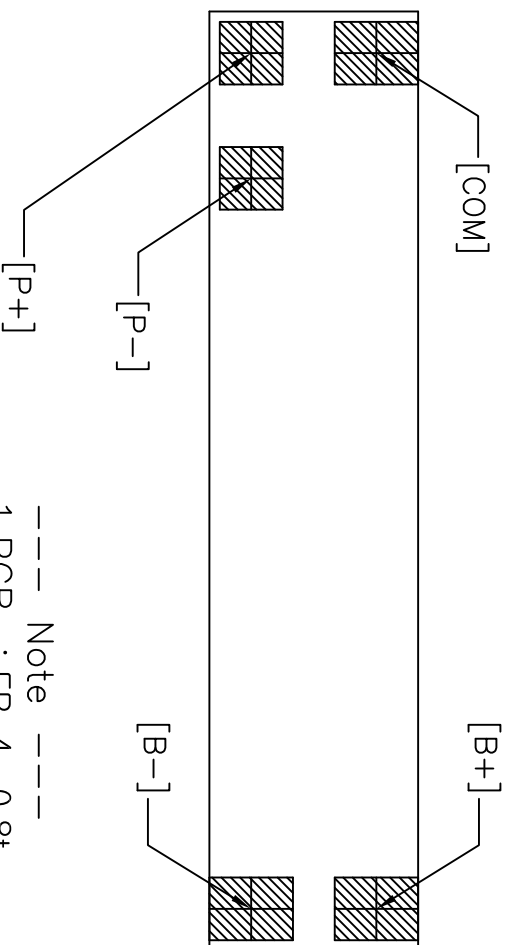
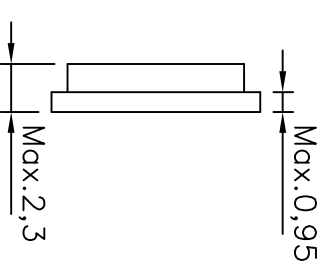
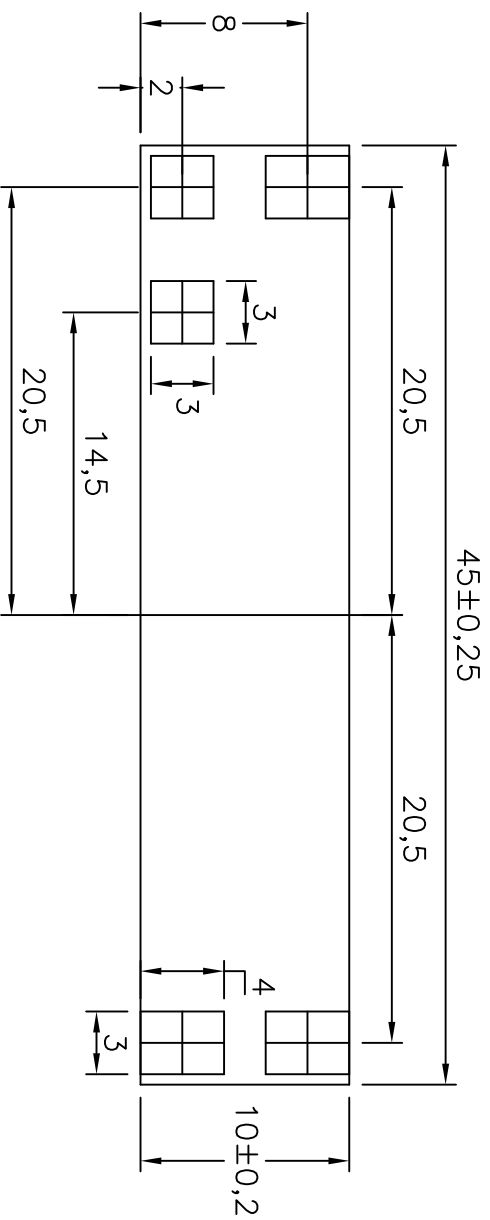
BASIC SPEC	OVP(V)	UVP(V)	OCP(A)
	4.35	2.3	14
SPEC. subject to change			

2CELL

- Note ----
- 1.PCB : FR-4, 0.8t.
  2. General Tolerance : 0.1mm.

Desined	Checked	Approval	Date	2005.11.15
SDKWON			CUSTOMER	
 <b>IB</b> ICE Brain			TITLE	PCB Dimension
			MODEL	IB2P007A
Dwg. No.			Page	

# 5.1 PCB Mechanical Drawing



----- Note -----  
 1.PCB : FR-4, 0.8t.  
 2. General Tolerance : 0.1mm.

BASIC SPEC	OVP(V)	UVP(V)	OCP(A)
	4.25	2.4	4
SPEC. subject to change			

2CELL

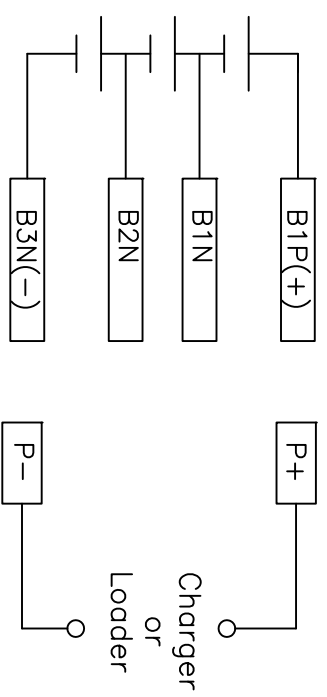
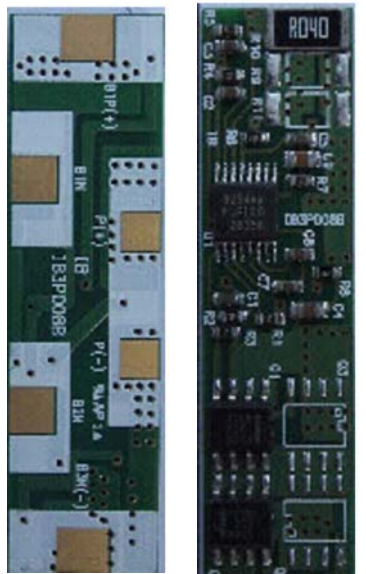
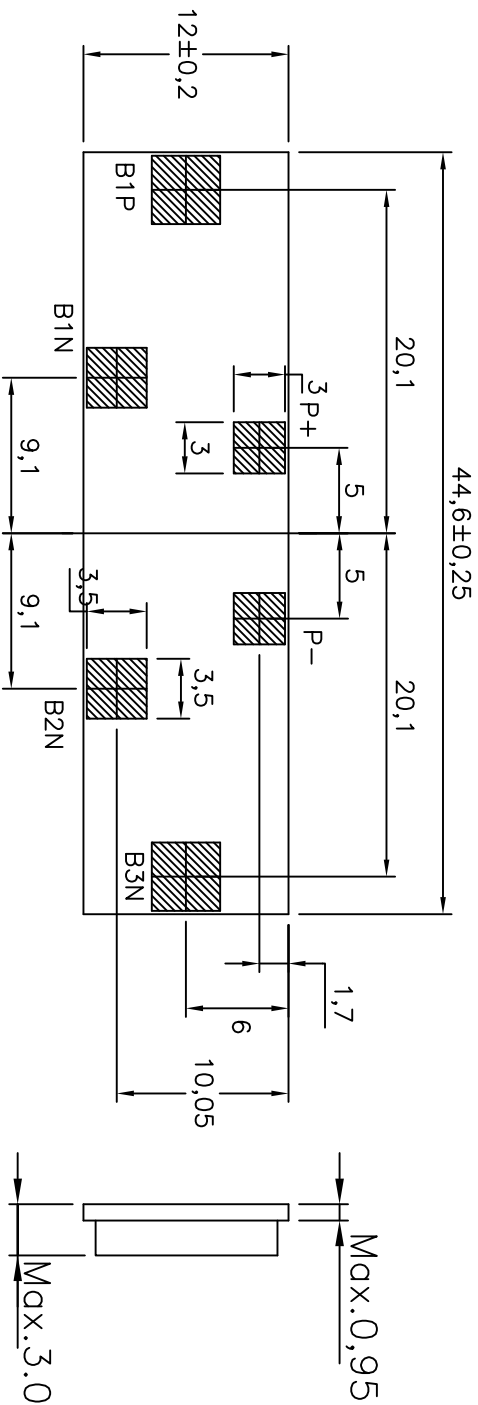
Desined	Checked	Approval	Date	2006.09.25
SDKWON			CUSTOMER	
			TITLE	PCB Dimension



**IB** ICE Brain

MODEL	CPM2002A
Dwg. No.	
Page	

# 5.1 PCB Dimension



----- Note -----

- 1. PCB : FR-4, 0.8t
- 2. General Tolerance : 0.1mm

BASIC SPEC	OVP(V)	VVP(V)	OCP(A)
	4.35	2.4	5~10
SPEC. subject to change			

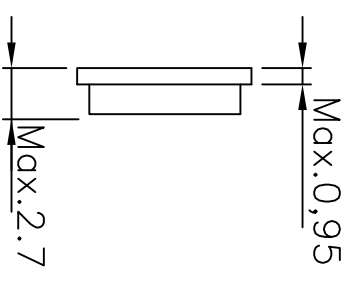
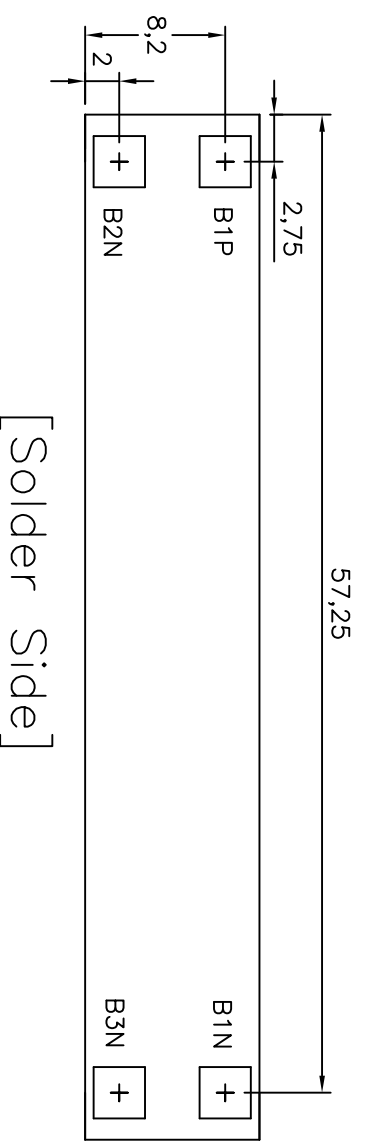
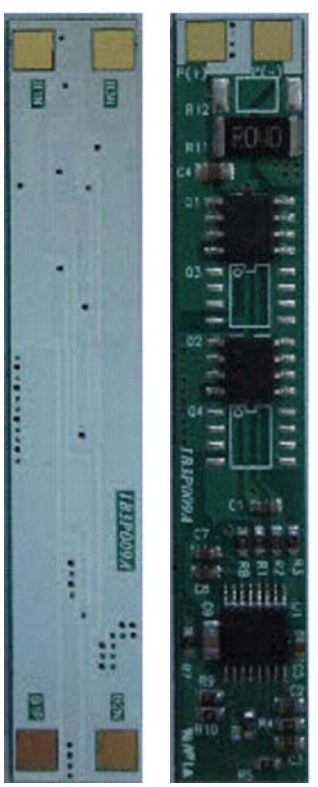
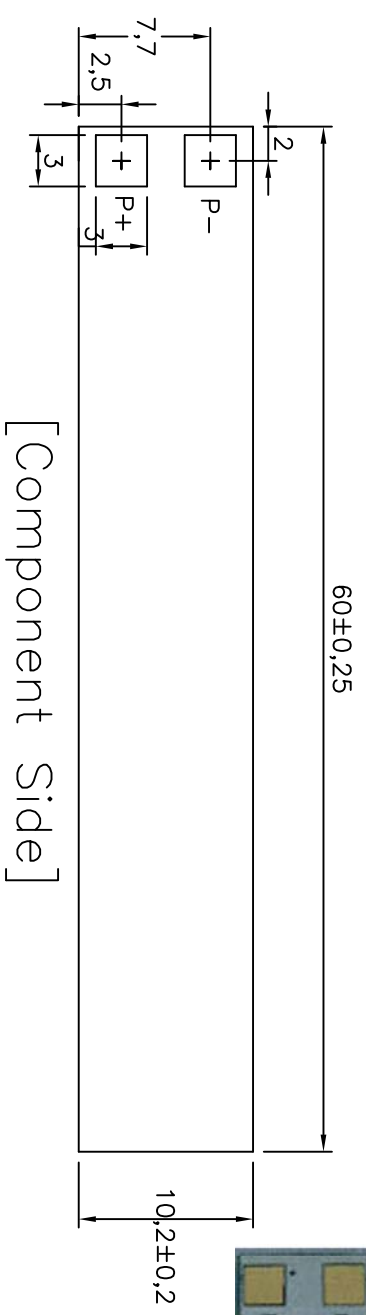
3CELL

Desined	Checked	Approval	Date	2007.10.15
SDKWON	<del>IB</del>	<del>IB</del>	CUSTOMER	
TITLE			PCB Dimension	
MODEL			IB3P008B1	
Dwg. No.			Page	



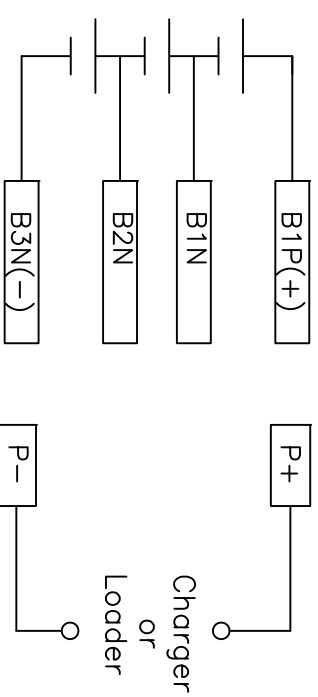
IB ICE Brain

# 5.1 PCB Dimension



BASIC SPEC	OVP(V)	VVP(V)	OCP(A)
	4.35	2.4	5~10
SPEC. subject to change			

3CELL



Charger  
or  
Loader

----- Note -----

- 1.PCB : FR-4, 0.8t
- 2. General Tolerance : 0.1mm

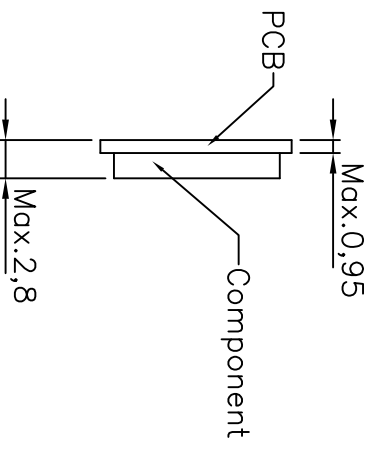
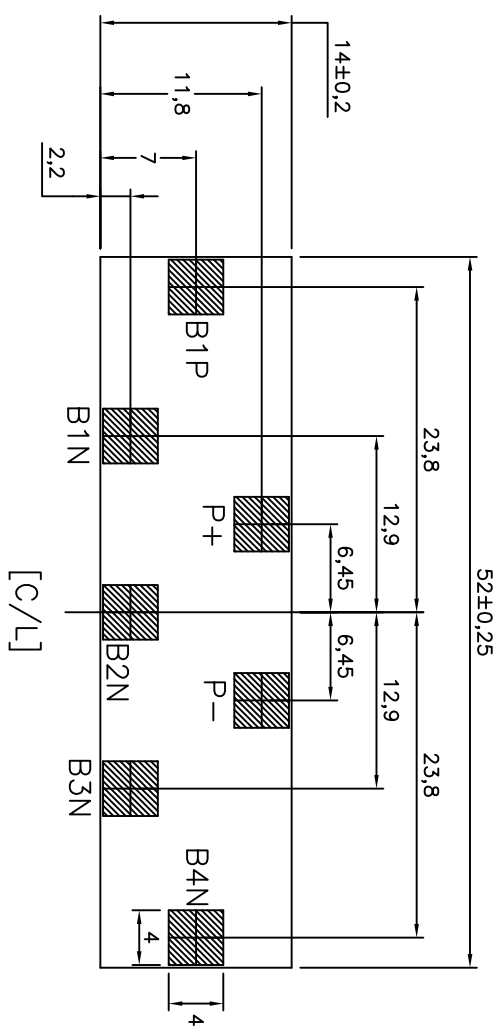
Desined	Checked	Approval	Date	2008.03.03
SHPARK				
		IB ICE Brain		
TITLE		PCB Dimension		
MODEL		IB3P009A1		
Dwg. No.		Page		

# 2. PCB Dimension

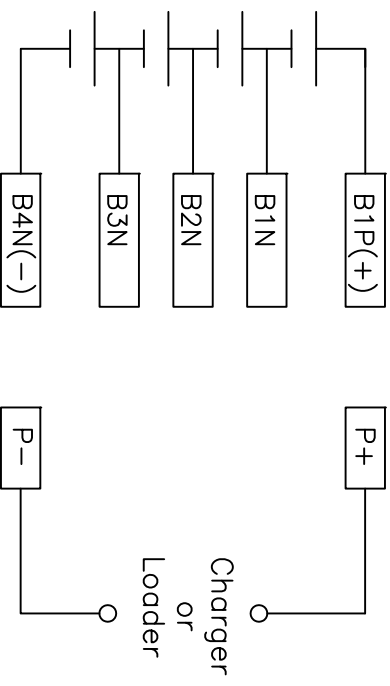


4CELL

BASIC SPEC	OVP(V)	UVP(V)	OCP(A)
	4.35	2.4	5~10
SPEC. subject to change			



- Note ---  
 1.PCB : FR-4, 0.8t  
 2. General Tolerance : 0.1mm



Desined	Checked	Approval	Date	2006.06.20
SDKWON			CUSTOMER	
			TITLE	PCB Dimension
			MODEL	IB4P001B
			Dwg. No.	
			Page	

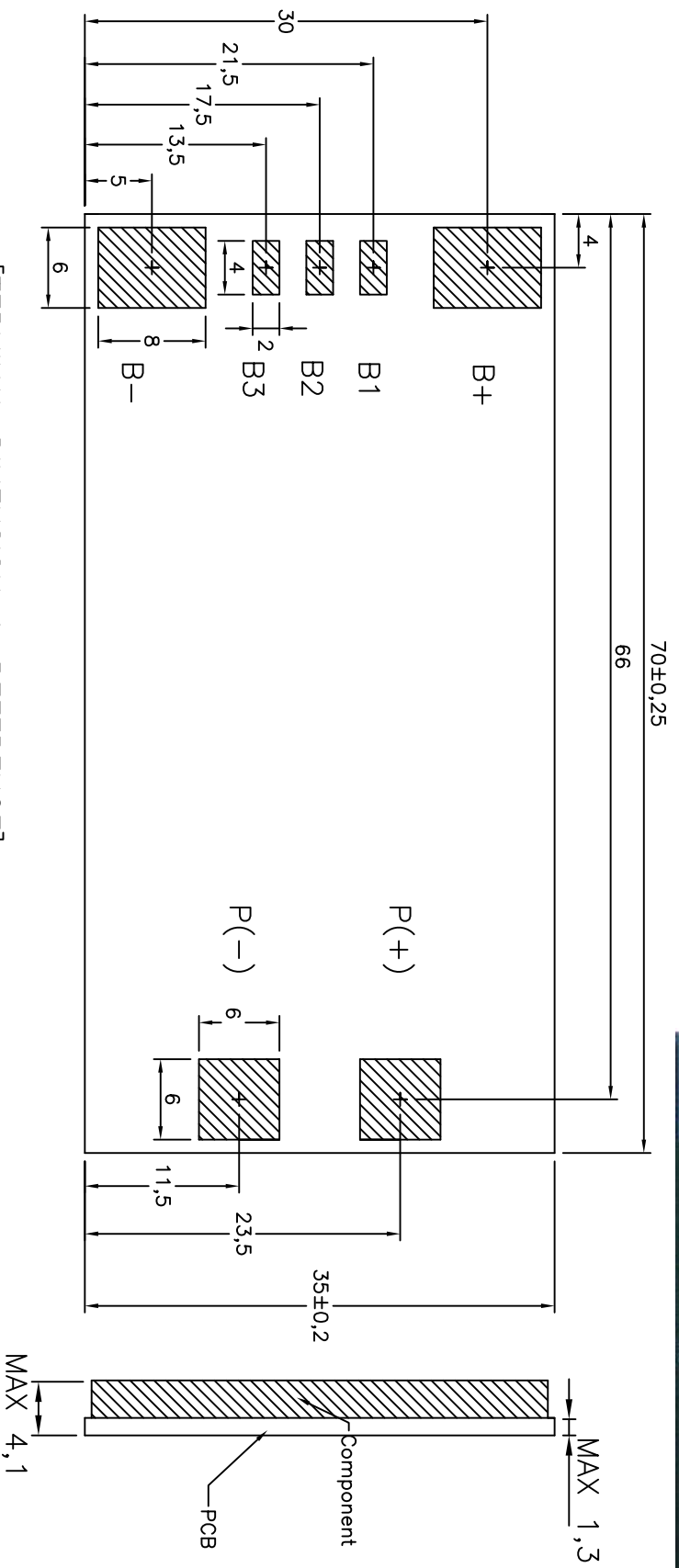


**IB** ICE Brain

A B C D E F G H

1 2 3 4 5 6 7 8

# 5.1 PCB Dimension



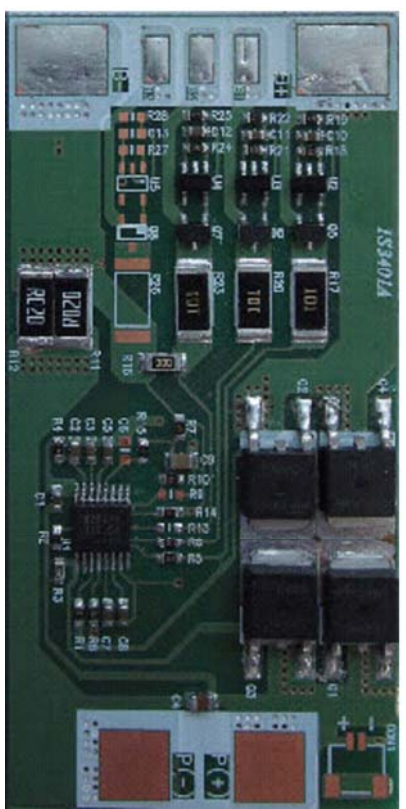
[TERMINAL DIMENSION & REFERENCE]

3~4CELL, Cell Balance

----- Note -----

1. PCB : FR-4, 1.2t
2. General Tolerance : 0.1mm

BASIC SPEC	OVP(V)	UVP(V)	OCP(A)
	4.35	2.4	5~10
SPEC. subject to change			



Desined	Checked	Approval	Date
			2010.12.15

SHPARK			CUSTOMER	INTERSOLL
			TITLE	PCB Dimension

MODEL	IS3401A1
Dwg. No.	
Page	

